Assignment 2: MCQs on Advanced Express.js & MongoDB

1. What is the correct way to access a route parameter named 'id' in Express.js?

A. req.body.id

B. req.query.id

C. req.params.id

D. req.session.id

2. Which method is used to handle errors globally in Express?

A. app.use(err, req, res, next)

B. app.error()

C. try.catch()

D. express.errorHandler()

3. What does Mongoose help with?

A. Styling the frontend

B. Connecting Express to SQL

C. Interfacing with MongoDB

D. Creating CSS files

4. Which is a valid NoSQL database?

A. PostgreSQL

B. Oracle

C. MongoDB

D. MySQL

5. What is the use of MongoDB Atlas?

A. Local database hosting

B. Frontend framework

C. Cloud-based MongoDB hosting

D. Express templating

6. Which file structure promotes scalability in Express apps?

A. Single file with all logic

B. Inline HTML and JS

C. MVC - Models, Views, Controllers

D. Random file separation

7. What middleware handles errors in Express?

A. logger

B. customErrorMiddleware

C. errorHandler

D. All of the above

8. Which command installs Mongoose?

A. npm install mongo

B. npm install mongoose

C. npm get mongoose

D. node install mongoose

9. Route parameters are accessed from which object?

A. req.body

B. req.query

C. req.params

D. res.params

10. What is a feature of NoSQL databases?

A. Fixed schema

B. Relational tables

C. Flexible schema

D. Stored procedures

11. try-catch blocks help with:

A. Code formatting

B. Error catching in synchronous code

C. Error handling in async functions

D. Sending files

12. MongoDB stores data in:

A. Tables

B. Collections and documents

C. Files

D. CSV

13. Which command connects Mongoose to a database?

A. mongoose.start()

B. mongoose.link()

C. mongoose.connect()

D. mongoose.open()

14. Which layer should the business logic go into in MVC?

A. Routes

B. Models

C. Controllers

D. Views

15. What does `req.query` access?

A. Body parameters

B. Route parameters

C. Query string parameters

D. Session parameters

16. How is data passed from client to server in REST?

A. Through routes only

B. Using files

C. Via request methods like GET, POST

D. Via HTML forms only

17. Which of the following is a controller responsibility?

A. Database schema

B. Routing logic

C. Business logic

D. Serving static files

18. To avoid deeply nested code, use:

A. Callbacks

B. Async/await

C. While loops

D. Recursion

19. In MongoDB, a 'collection' is similar to:

A. A table in SQL

B. A function

C. A variable

D. A document

20. Which tool is used to deploy MongoDB on the cloud?

A. MongoTools

B. Atlas

C. MongooseCloud

D. AWS

Bubble Sheet (Student Response Sheet)

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